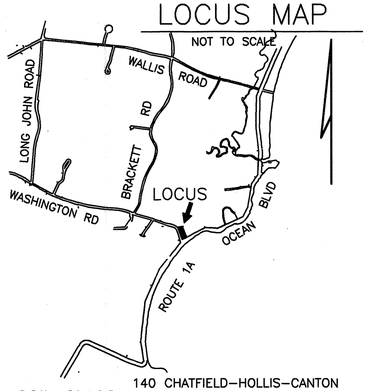
LOCUS MAP



SOIL CLASS: 140 CHATFIELD–HOLLIS–CANTON
299 UDORTHENTS

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1	SET NAIL 14"PINE EL 16.06
#2	SET HUB EL 15.20
#3	TOP IRON PIN EL 17.84

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 13.25 WHICH IS APPROX 27" BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF DESIGNED EDS. (EL 15.5)

SUITABLE REPLACEMENT AREA:

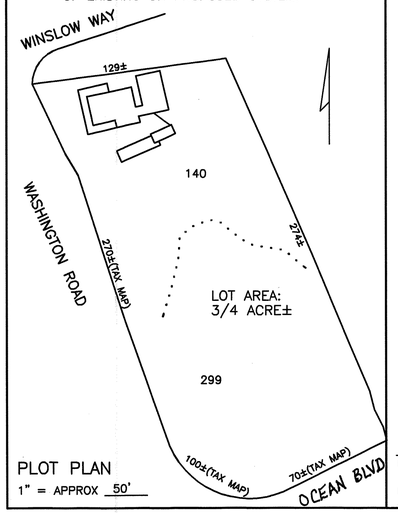
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

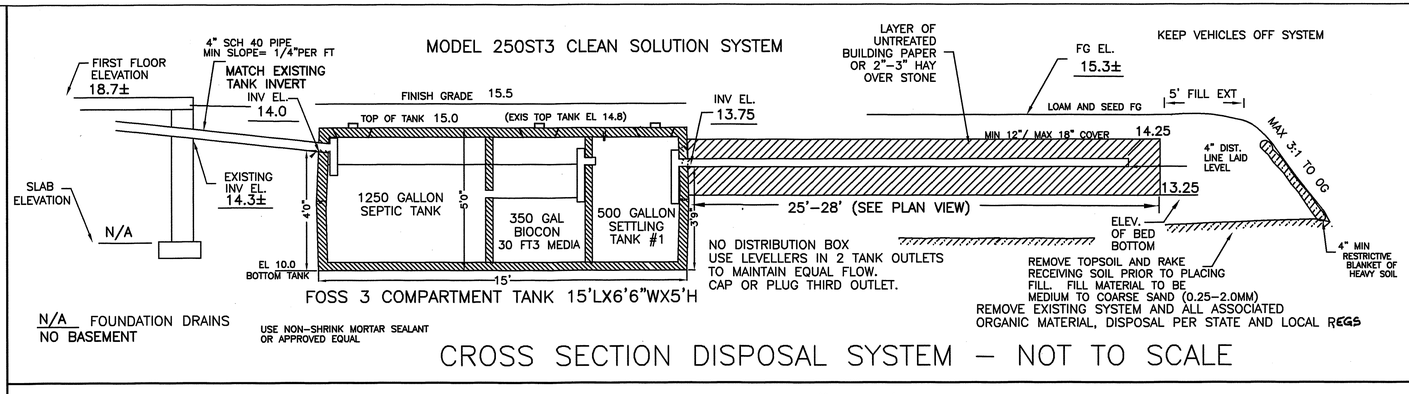
50 / (50)	EXISTING CONTOUR / PROPOSED CONTOUR
50.0 / (50.0)	EXISTING SPOT ELEVATION / PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: TAX MAP, STONE WALLS, ABUTTING SURVEYS
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A LOT OF RECORD PRE 1967
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.
   NO POORLY DRAINED SOILS WITHIN 50' OF EXISTING OR PROPOSED SYSTEM.



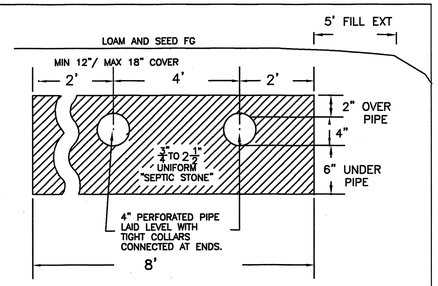
PLOT PLAN
1" = APPROX 50'


MODEL 250ST3 CLEAN SOLUTION SYSTEM
FIRST FLOOR ELEVATION 18.7±
4" SCH 40 PIPE MIN SLOPE= 1/4"PER FT
MATCH EXISTING TANK INVERT
INV EL. 14.0
FINISH GRADE 15.5
TOP OF TANK 15.0
(EXIS TOP TANK EL 14.8)
INV EL. 13.75
SLAB ELEVATION
N/A
EXISTING INV EL. 14.3±
4'0"
1250 GALLON SEPTIC TANK
5'0"
350 GAL BIOCON 30 FT3 MEDIA
500 GALLON SETTLING TANK #1
3'6"
EL 10.0 BOTTOM TANK
15'
FOSS 3 COMPARTMENT TANK 15'LX6'6"WX5'H
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
FG EL. 15.3±
KEEP VEHICLES OFF SYSTEM
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
14.25
13.25
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
25'–28' (SEE PLAN VIEW)
ELEV. OF BED BOTTOM
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
NO DISTRIBUTION BOX
USE LEVELLERS IN 2 TANK OUTLETS TO MAINTAIN EQUAL FLOW.
CAP OR PLUG THIRD OUTLET.
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
REMOVE EXISTING SYSTEM AND ALL ASSOCIATED ORGANIC MATERIAL, DISPOSAL PER STATE AND LOCAL REGS

N/A FOUNDATION DRAINS
NO BASEMENT

USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL

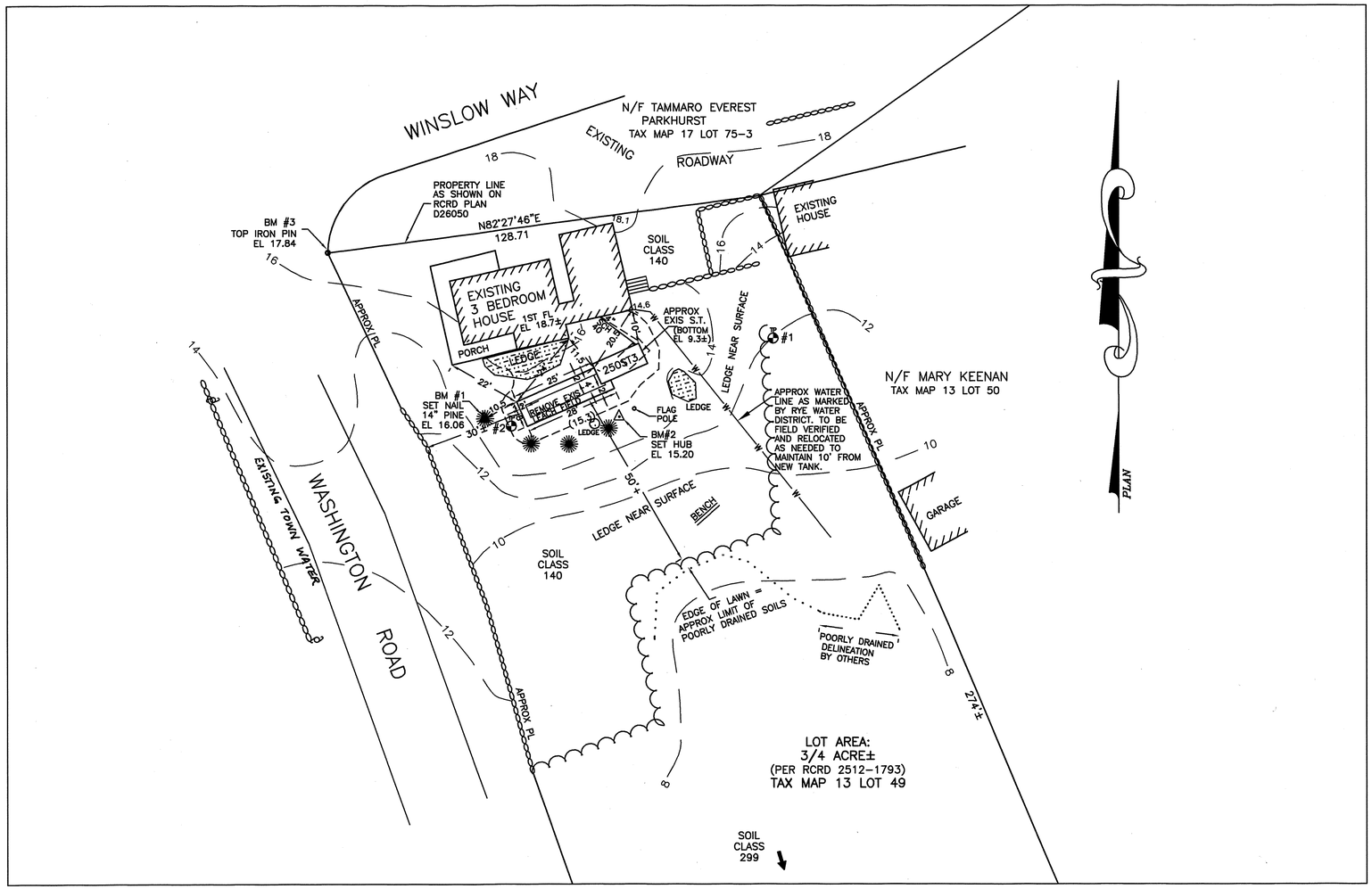
CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE



ALL SPECIFICATIONS AND RESPONSIBILITIES OUTLINED IN THE CLEAN SOLUTION MANUAL ARE A PART OF THIS DESIGN. MAINTENANCE CONTRACT MUST BE EXECUTED PRIOR TO INSTALLATION.

WASTEWATER ALTERNATIVES, INC,
TECHNOLOGY DEVELOPED BY:
HAROLD DAVIS
37 CHAMPNEY STREET
GROTON, MA 01450
978 448–2415

PLAN : 1"=20'



SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS — MAINTENANCE CONTRACT SUBMITTED WITH THIS PLAN FOR APPROVAL.

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TEST PIT DATA

DATE: OCTOBER 18, 2005
TOWN INSPECTOR: DENNIS PLANTE

TEST PIT #1 EL 12.0

0 –18" 10YR3/4 FINE SANDY LOAM, GRANULAR FRIABLE
REFUSAL, LEDGE @ 18"

TEST PIT #2 EL 15.2

0 – 6" 10YR3/4 FINE SANDY LOAM, GRANULAR FRIABLE
6 –24" 2.5Y5/4 LOAMY FINE SAND, MASSIVE FRIABLE
24–78" 10YR4/4 GRAVELLY SLIGHTLY LOAMY
MEDIUM TO COARSE SAND, FRIABLE TO LOOSE

ESHWT @ 70", OBSERVED WATER @ 70"
NO REFUSAL

PERC TEST DATA

10/18/05 ESTIMATED 2 MIN/IN @ 24"
N/A WITH CLEAN SOLUTION SYSTEM

DESIGN LOADING: EXISTING 3 BEDROOM HOUSE

AREA REQUIRED: CLEAN SOLUTION SYSTEM: 75–100 SF DISPERSAL AREA REQUIRED

AREA PROPOSED: 8' WIDE BY AVERAGE 26' = 208 SF DISPERSAL AREA PROVIDED

PROPOSED REPLACEMENT

SEPTIC SYSTEM PLAN

EXISTING FAILED SYSTEM

LOCUS: 11 WASHINGTON ROAD
RYE, NH

OWNER: MARY HSU
C/O SHOALS PROPERTY MANAGEMENT
PO BOX 55
PORTSMOUTH, NH 03802–0055

NEW HAMPSHIRE Designer of Subsurface Disposal Systems
Ann W. Bialobrzeski No. 348
Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306

DATE: NOVEMBER 7, 2005

APPROVAL: CA2005077225

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